

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE**

**THIRD AMENDMENT
TO THE
NOVEMBER 1980 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
ORANGE COUNTY, INDIANA**

NOVEMBER 2004

This amendment results from digitizing the Orange County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

AMENDMENT NO. 3

The publication symbols from the published soil survey, issued in May of 1984, were converted to the Indiana statewide symbols legend to match the symbols used for the Hoosier National Forest legend. An explanation of the map unit symbol characters used in the Indiana Soil Identification Legend is provided in the new headnote below.

Page 1 - Replace the Headnote for the Detailed Soil Survey Legend, with the following:

Map symbols consist of a combination of letters, or letters and numbers. The initial one to three letters represents the map unit. A capital letter following the first three indicates a slope phase. Map symbols without a slope letter are for miscellaneous areas and a few map units with no assigned slope range (e.g. udorthents, rubbish). Symbols ending with a number indicate an erosion class or that the map unit is a gullied phase. A second capital letter indicates inundations phases or other soil phases.

Second capital letter or Fifth Character Definitions: (of which not all are used in Orange County)

2	Moderate erosion class
3	Severe erosion class
5	Gullied phase
V	Frequently flooded, very brief duration
H	Frequently flooded, brief duration
I	Frequently flooded, long duration
J	Frequently flooded, very long duration
M	Frequently flooded, ponded
T	Frequently flooded, drained
Z	Frequently flooded, undrained
W	Occasionally flooded, very brief duration
K	Occasionally flooded, brief duration
L	Occasionally flooded, long duration
Q	Rarely flooded
P	Ponded
N	Drained
U	Undrained
Y	Leveed

Pages 2-4 – Replace the legend with the attached Soil Correlation of Orange County, Indiana.

Soil Correlation of Orange County, Indiana

Field symbols	Field map unit name	Publication symbol	Approved map unit name
AbqD2	Adyeville silt loam, 12 to 18 percent slopes, eroded	AbqD2	Adyeville silt loam, 12 to 18 percent slopes, eroded
AbqD3	Adyeville silt loam, 12 to 18 percent slopes, severely eroded	AbqD3	Adyeville silt loam, 12 to 18 percent slopes, severely eroded
AbqE	Adyeville silt loam, 18 to 25 percent slopes	AbqE	Adyeville silt loam, 18 to 25 percent slopes
AbqE2	Adyeville silt loam, 18 to 25 percent slopes, eroded	AbqE2	Adyeville silt loam, 18 to 25 percent slopes, eroded
AbqE3	Adyeville silt loam, 18 to 25 percent slopes, severely eroded	AbqE3	Adyeville silt loam, 18 to 25 percent slopes, severely eroded
AcgF	Adyeville-Tipsaw-Ebal complex, 18 to 50 percent slopes	AcgF	Adyeville-Tipsaw-Ebal complex, 18 to 50 percent slopes
AciE	Adyeville-Tipsaw complex, 18 to 30 percent slopes	AciE	Adyeville-Tipsaw complex, 18 to 30 percent slopes
AciG	Adyeville-Tipsaw complex, 20 to 60 percent slopes	AciG	Adyeville-Tipsaw complex, 20 to 60 percent slopes
AcmF	Adyeville-Wellston silt loams, 18 to 50 percent slopes	AcmF	Adyeville-Wellston silt loams, 18 to 50 percent slopes
GoF	Gilpin-Wellston silt loams, 18 to 50 percent slopes	AcmF	Adyeville-Wellston silt loams, 18 to 50 percent slopes
AgrA	Apalona silt loam, 0 to 2 percent slopes	AgrA	Apalona silt loam, 0 to 2 percent slopes
ZaA	Zanesville silt loam, 0 to 2 percent slopes	AgrA	Apalona silt loam, 0 to 2 percent slopes
AgrB	Apalona silt loam, 2 to 6 percent slopes	AgrB	Apalona silt loam, 2 to 6 percent slopes
ZaB	Zanesville silt loam, 2 to 6 percent slopes	AgrB	Apalona silt loam, 2 to 6 percent slopes
AgrC2	Apalona silt loam, 6 to 12 percent slopes, eroded	AgrC2	Apalona silt loam, 6 to 12 percent slopes, eroded
ZaC2	Zanesville silt loam, 6 to 12 percent slopes, eroded	AgrC2	Apalona silt loam, 6 to 12 percent slopes, eroded
AgrC3	Apalona silt loam, 6 to 12 percent slopes, severely eroded	AgrC3	Apalona silt loam, 6 to 12 percent slopes, severely eroded
ZaC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	AgrC3	Apalona silt loam, 6 to 12 percent slopes, severely eroded
Ba	Bartle silt loam	BbhA	Bartle silt loam, 0 to 2 percent slopes
BbhA	Bartle silt loam, 0 to 2 percent slopes	BbhA	Bartle silt loam, 0 to 2 percent slopes
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
BdA	Bedford silt loam, 0 to 2 percent slopes	BdoA	Bedford silt loam, 0 to 2 percent slopes
BdoA	Bedford silt loam, 0 to 2 percent slopes	BdoA	Bedford silt loam, 0 to 2 percent slopes
BdB	Bedford silt loam, 2 to 6 percent slopes	BdoB	Bedford silt loam, 2 to 6 percent slopes
BdoB	Bedford silt loam, 2 to 6 percent slopes	BdoB	Bedford silt loam, 2 to 6 percent slopes
Br	Bromer silt loam	BuoA	Bromer silt loam, 0 to 2 percent slopes

Soil Correlation of Orange County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
BuoA	Bromer silt loam, 0 to 2 percent slopes	BuoA	Bromer silt loam, 0 to 2 percent slopes
CaD3	Caneyville-Crider complex, 12 to 18 percent slopes, severely eroded	CbtD3	Caneyville-Crider complex, 12 to 18 percent slopes, severely eroded
CbtD3	Caneyville-Crider complex, 12 to 18 percent slopes, severely eroded	CbtD3	Caneyville-Crider complex, 12 to 18 percent slopes, severely eroded
CaE	Caneyville-Crider silt loams, 18 to 25 percent slopes	CbuE	Caneyville-Crider silt loams, 18 to 25 percent slopes
CbuE	Caneyville-Crider silt loams, 18 to 25 percent slopes	CbuE	Caneyville-Crider silt loams, 18 to 25 percent slopes
CbzG	Caneyville-Rock outcrop complex, 18 to 70 percent slopes	CbzG	Caneyville-Rock outcrop complex, 18 to 70 percent slopes
CdF	Caneyville-Rock outcrop complex, 18 to 70 percent slopes	CbzG	Caneyville-Rock outcrop complex, 18 to 70 percent slopes
CrB	Crider silt loam, 2 to 6 percent slopes	CspB	Crider silt loam, 2 to 6 percent slopes
CspB	Crider silt loam, 2 to 6 percent slopes	CspB	Crider silt loam, 2 to 6 percent slopes
CrC2	Crider silt loam, 6 to 12 percent slopes, eroded	CspC2	Crider silt loam, 6 to 12 percent slopes, eroded
CspC2	Crider silt loam, 6 to 12 percent slopes, eroded	CspC2	Crider silt loam, 6 to 12 percent slopes, eroded
CrC3	Crider silt loam, 6 to 12 percent slopes, severely eroded	CspC3	Crider silt loam, 6 to 12 percent slopes, severely eroded
CspC3	Crider silt loam, 6 to 12 percent slopes, severely eroded	CspC3	Crider silt loam, 6 to 12 percent slopes, severely eroded
CtwD2	Crider-Caneyville silt loams, 12 to 18 percent slopes, eroded	CtwD2	Crider-Caneyville silt loams, 12 to 18 percent slopes, eroded
CuD2	Crider-Caneyville silt loams, 12 to 18 percent slopes, eroded	CtwD2	Crider-Caneyville silt loams, 12 to 18 percent slopes, eroded
CtyC2	Crider-Frederick-Caneyville silt loams, karst, 2 to 12 percent slopes, eroded	CtyC2	Crider-Frederick-Caneyville silt loams, karst, 2 to 12 percent slopes, eroded
CxC2	Crider-Frederick-Caneyville silt loams, karst, 2 to 12 percent slopes, eroded	CtyC2	Crider-Frederick-Caneyville silt loams, karst, 2 to 12 percent slopes, eroded
CwaAH	Cuba silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	CwaAH	Cuba silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
CwaAK	Cuba silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	CwaAH	Cuba silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
EepA	Elkinsville silt loam, 0 to 2 percent slopes	EepA	Elkinsville silt loam, 0 to 2 percent slopes
ElA	Elkinsville silt loam, 0 to 2 percent slopes	EepA	Elkinsville silt loam, 0 to 2 percent slopes
EepB	Elkinsville silt loam, 2 to 6 percent slopes	EepB	Elkinsville silt loam, 2 to 6 percent slopes
ElB	Elkinsville silt loam, 2 to 6 percent slopes	EepB	Elkinsville silt loam, 2 to 6 percent slopes
EepC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded	EepC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded
ElC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded	EepC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded

FkhD2	Frederick silt loam, 12 to 18 percent slopes, eroded	FkhD2	Frederick silt loam, 12 to 18 percent slopes, eroded
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Soil Correlation of Orange County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
FrD2	Frederick silt loam, 12 to 18 percent slopes, eroded	FkhD2	Frederick silt loam, 12 to 18 percent slopes, eroded
FkhF	Frederick silt loam, 18 to 50 percent slopes	FkhF	Frederick silt loam, 18 to 50 percent slopes
FrF	Frederick silt loam, 18 to 50 percent slopes	FkhF	Frederick silt loam, 18 to 50 percent slopes
Bu	Burnside silt loam, occasionally flooded	GacAW	Gatchel loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
GacAW	Gatchel loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	GacAW	Gatchel loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
HafD3	Haggatt silty clay loam, 12 to 18 percent slopes, severely eroded	HafD3	Haggatt silty clay loam, 12 to 18 percent slopes, severely eroded
HarE2	Haggatt silt loam, 18 to 25 percent slopes, eroded	HarE2	Haggatt silt loam, 18 to 25 percent slopes, eroded
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
Hd	Haymond silt loam, frequently flooded	HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
HsaB2	Hosmer silt loam, 2 to 6 percent slopes, eroded	HsaB2	Hosmer silt loam, 2 to 6 percent slopes, eroded
JoaA	Johnsburg silt loam, 0 to 2 percent slopes	JoaA	Johnsburg silt loam, 0 to 2 percent slopes
Mo	Montgomery silty clay loam	MsvA	Montgomery silty clay loam, 0 to 1 percent slopes
MsvA	Montgomery silty clay loam, 0 to 1 percent slopes	MsvA	Montgomery silty clay loam, 0 to 1 percent slopes
Omz	Orthents, earthen dam	Omz	Orthents, earthen dam
PcrB	Pekin silt loam, 2 to 6 percent slopes	PcrB	Pekin silt loam, 2 to 6 percent slopes
PeB	Pekin silt loam, 2 to 6 percent slopes	PcrB	Pekin silt loam, 2 to 6 percent slopes
PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded	PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded
PeC2	Pekin silt loam, 6 to 12 percent slopes, eroded	PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded
PhfA	Peoga silt loam, clayey substratum, 0 to 1 percent slopes	PhfA	Peoga silt loam, clayey substratum, 0 to 1 percent slopes
Po	Peoga silt loam, clayey substratum	PhfA	Peoga silt loam, clayey substratum, 0 to 1 percent slopes
Pml	Pits, quarries	Pml	Pits, quarries
Pt	Pits, quarry	Pml	Pits, quarries
StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
TblG	Tipsaw-Adyeville complex, 25 to 75 percent slopes	TblG	Tipsaw-Adyeville complex, 25 to 75 percent slopes
Ubx	Udorthents, gullied	Ubx	Udorthents, gullied
UcuA	Udorthents, loamy	Usl	Udorthents, rubbish

Ud	Udorthents, loamy	Usl	Udorthents, rubbish
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Soil Correlation of Orange County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Usl	Udorthents, rubbish	Usl	Udorthents, rubbish
W	Water	W	Water
W	Water less than 40 acres	W	Water
W4	Water more than 40 acres	W	Water
Wa	Wakeland silt loam, frequently flooded	WaaAH	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
WaaAH	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	WaaAH	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
WeC2	Wellston silt loam, 6 to 12 percent slopes, eroded	WhfC2	Wellston silt loam, 6 to 12 percent slopes, eroded
WhfC2	Wellston silt loam, 6 to 12 percent slopes, eroded	WhfC2	Wellston silt loam, 6 to 12 percent slopes, eroded
WeC3	Wellston silt loam, 6 to 12 percent slopes, severely eroded	WhfC3	Wellston silt loam, 6 to 12 percent slopes, severely eroded
WhfC3	Wellston silt loam, 6 to 12 percent slopes, severely eroded	WhfC3	Wellston silt loam, 6 to 12 percent slopes, severely eroded
WhfD2	Wellston silt loam, 12 to 18 percent slopes, eroded	WhfD2	Wellston silt loam, 12 to 18 percent slopes, eroded
WhfD3	Wellston silt loam, 12 to 18 percent slopes, severely eroded	WhfD3	Wellston silt loam, 12 to 18 percent slopes, severely eroded
WokAH	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	WokAH	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
Wr	Wilbur silt loam, frequently flooded	WokAH	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
WozD5	Wellston silt loam, 10 to 18 percent slopes, gullied	WozD5	Wellston silt loam, 10 to 18 percent slopes, gullied
WpfG	Wellston-Tipsaw-Adyeville complex, 18 to 70 percent slopes	WpfG	Wellston-Tipsaw-Adyeville complex, 18 to 70 percent slopes
WfD3	Wellston-Ebal-Gilpin complex, 12 to 18 percent slopes, severely eroded	WpmD3	Wellston-Ebal-Adyeville complex, 12 to 18 percent slopes, severely eroded
WpmD3	Wellston-Ebal-Adyeville complex, 12 to 18 percent slopes, severely eroded	WpmD3	Wellston-Ebal-Adyeville complex, 12 to 18 percent slopes, severely eroded
WpoD2	Wellston-Adyeville silt loams, 12 to 18 percent slopes, eroded	WpoD2	Wellston-Adyeville silt loams, 12 to 18 percent slopes, eroded
WgD2	Wellston-Gilpin-Ebal silt loam, 12 to 18 percent slopes, eroded	WppD2	Wellston-Adyeville-Ebal silt loams, 12 to 18 percent slopes, eroded
WppD2	Wellston-Adyeville-Ebal silt loams, 12 to 18 percent slopes, eroded	WppD2	Wellston-Adyeville-Ebal silt loams, 12 to 18 percent slopes, eroded
WymC2	Wrays silt loam, 6 to 12 percent slopes, eroded	WymC2	Wrays silt loam, 6 to 12 percent slopes, eroded
WymD	Wrays silt loam, 12 to 18 percent slopes	WymD	Wrays silt loam, 12 to 18 percent slopes

Page 5 – Series Added from Previously Correlated Legend for Orange County:

Adyeville, Apalona, Beanblossom, Cuba, Gatchel, Haggatt, Hosmer, Johnsborg, Stendal, Tipsaw, and Wrays.

Page 5 - Series Dropped from Previously Correlated Legend for Orange County:

Burnside, Gilpin, and Zanesville.

Page 6 – Replace the 37A dated 6/80, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

<u>Feature</u>	<u>Name</u>	<u>Description</u>
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff, which was produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
GUL	Gully	A small channel with steep sides cut by running water through which water ordinarily runs only after a rain, or after ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.
MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently covered by water. Sedges, cattails, and rushes dominate marsh areas. Trees or shrubs dominate swamps. Typically 0.2 to 2 acres.
MPI	Mine or quarry	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also denotes surface openings to underground mines. Typically 0.2 to 2 acres.
SAN	Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 0.2 to 2 acres.
ROC	Rock outcrop	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where "Rock outcrop" is a named component of the map unit. Typically 0.2 to 2 acres.
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 0.2 to 2 acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.
WET	Wet spot	A somewhat poorly drained to very poorly drained area that is at least

<u>Feature</u>	<u>Name</u>	<u>Description</u>
		two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

<u>Label</u>	<u>Symbol</u>	<u>ID</u>	<u>Name</u>	<u>Description</u>
UWT	44		Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

Page 7– Prime Farmland Map Units:

Replace the list of prime farmland map units with the following:

Orange County, Indiana

Prime or other Important Farmland

(Only the soils considered prime or important farmland are listed. Urban or built-up areas of the soils listed are not considered prime or important farmland. If a soil is prime or important farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Map unit name	Farmland Classification
AgrA	Apalona silt loam, 0 to 2 percent slopes	All areas are prime farmland
AgrB	Apalona silt loam, 2 to 6 percent slopes	All areas are prime farmland
BbhA	Bartle silt loam, 0 to 2 percent slopes	Prime farmland if drained
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	All areas are prime farmland
BdoA	Bedford silt loam, 0 to 2 percent slopes	All areas are prime farmland
BdoB	Bedford silt loam, 2 to 6 percent slopes	All areas are prime farmland
BuoA	Bromer silt loam, 0 to 2 percent slopes	Prime farmland if drained
CspB	Crider silt loam, 2 to 6 percent slopes	All areas are prime farmland
CwaAK	Cuba silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	All areas are prime farmland
EepA	Elkinsville silt loam, 0 to 2 percent slopes	All areas are prime farmland
EepB	Elkinsville silt loam, 2 to 6 percent slopes	All areas are prime farmland
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Prime farmland if protected from flooding or not frequently flooded during the growing season
HsaB2	Hosmer silt loam, 2 to 6 percent slopes, eroded	All areas are prime farmland
JoaA	Johnsburg silt loam, 0 to 2 percent slopes	Prime farmland if drained
MsvA	Montgomery silty clay loam, 0 to 1 percent slopes	Prime farmland if drained
PcrB	Pekin silt loam, 2 to 6 percent slopes	All areas are prime farmland
PhfA	Peoga silt loam, clayey substratum, 0 to 1 percent slopes	Prime farmland if drained
StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
WaaAH	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
WokAH	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Prime farmland if protected from flooding or not frequently flooded during the growing season

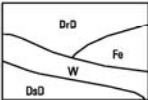


























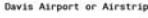

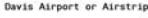





















































Soil Survey Area: _____

State: Indiana

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

AUGUST 2004

Date: _____

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SOIL SURVEY FEATURES		CULTURAL FEATURES (Optional)		HYDROGRAPHIC FEATURES (Optional)	
SOIL DELINEATIONS AND LABELS		BOUNDARIES		Drainage end (indicates direction of flow)	
STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES		National, state or province		Unclassified stream	
Bedrock escarpment		County or parish			
Nonbedrock escarpment		Minor civil division			
Gully		Reservation (Military)			
Levee		Land grant (Optional)			
Short steep slope		Field sheet matchline and neatline			
Blowout		Public Land Survey System Section Corner Tics			
Borrow pit		GEOGRAPHIC COORDINATE TICK			
Clay spot		ROAD EMBLEMS			
Closed depression		Interstate			
Gravel pit		Federal			
Gravelly spot		State			
Landfill		LOCATED OBJECTS			
Marsh or swamp		Airport (Label only)			
Mine or quarry		Davis Airport or Airstrip			
Rock outcrop					
Sandy spot					
Severely eroded spot					
Sinkhole					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Wet spot					
AD HOC FEATURES (Describe on back)					
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRO	23	
DKS	2		WIA	24	
OVW	3		CGM	25	
YWS	4		HIL	26	
EAS	5		STO	27	
WAS	6		STD	28	
SAS	7			29	
CAF	8		MUC	30	
CAL	9			31	
SLR	10			32	
DUM	11			33	
BRV	12			34	
BRW	13		MRL	35	
BRD	14			36	
OSR	15			37	
SSR	16		SAM	38	
LSR	17			39	
WSP	18		VSE	40	
SBR	19			41	
COS	20			42	
CNS	21			43	
FES	22		UNT	44	

Page 8 – Conversion Legend: Replace the conversion with the following:

Map unit symbols from the 1984 Published Soil Survey are listed under Field symbols and the new symbol used on the digital soil maps is listed under the Publication symbol.

Soil Mapunit Symbol
Conversion Legend
Orange County, Indiana:
Detailed Soil Map Legend

Field symbols	Publication symbol	Field symbols	Publication symbol	Field symbols	Publication symbol
AbqD2	AbqD2	CaE	CbuE	FrD2	FkhD2
AbqE2	AbqE2	CbtD3	CbtD3	FrF	FkhF
AbqE3	AbqE3	CbuE	CbuE	GacAW	GacAW
AcgF	AcgF	CbzG	CbzG	GoF	AcmF
AciE	AciE	CdF	CbzG	HafD3	HafD3
AciG	AciG	CrB	CspB	HarE2	HarE2
AcmF	AcmF	CrC2	CspC2	HcgAH	HcgAH
AgrA	AgrA	CrC3	CspC3	Hd	HcgAH
AgrB	AgrB	CspB	CspB	HsaB2	HsaB2
AgrC2	AgrC2	CspC2	CspC2	JoaA	JoaA
AgrC3	AgrC3	CspC3	CspC3	Mo	MsvA
Ba	BbhA	CtwD2	CtwD2	MsvA	MsvA
BbhA	BbhA	CtyC2	CtyC2	Omz	Omz
BcrAW	BcrAW	CuD2	CtwD2	PcrB	PcrB
BdA	BdoA	CwaAH	CwaAH	PcrC2	PcrC2
BdB	BdoB	CwaAK	CwaAH	PeB	PcrB
BdoA	BdoA	CxC2	CtyC2	PeC2	PcrC2
BdoB	BdoB	EepA	EepA	PhfA	PhfA
Br	BuoA	EepB	EepB	Pml	Pml
Bu	GacAW	EepC2	EepC2	Po	PhfA
BuoA	BuoA	ElA	EepA	Pt	Pml
CaD3	CbtD3	ElB	EepB	StdAH	StdAH
		ElC2	EepC2	TblG	TblG
		FkhD2	FkhD2	Ubx	Ubx
		FkhF	FkhF	UcuA	Usl

Field symbols	Publication symbol	Field symbols	Publication symbol	Field symbols	Publication symbol
Ud	Us1	WgD2	WppD2	WpoD2	WpoD2
Us1	Us1	WhfC2	WhfC2	WppD2	WppD2
W	W	WhfC3	WhfC3	Wr	WokAH
W4	W	WhfD2	WhfD2	WymC2	WymC2
Wa	WaaAH	WhfD3	WhfD3	WymD	WymD
WaaAH	WaaAH	WokAH	WokAH	ZaA	AgrA
WeC2	WhfC2	WozD5	WozD5	ZaB	AgrB
WeC3	WhfC3	WpfG	WpfG	ZaC2	AgrC2
WfD3	WpmD3	WpmD3	WpmD3	ZaC3	AgrC3

Pages 10 and 11 – Notes to Accompany:

ADYEVILLE SERIES

This soil was correlated as Gilpin previously in Orange County.

APALONA SERIES

This soil was correlated as Zanesville previously in Orange County.

GATCHEL SERIES

This soil was correlated as Burnside previously in Orange County.

The following map units were added to the Orange County Soil Survey Legend to join surrounding counties:

Publication Symbol	Approved map unit name
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Crawford County:

AbqE2	Adyeville silt loam, 18 to 25 percent slopes
AbqE3	Adyeville silt loam, 18 to 25 percent slopes, severely eroded
AciE	Adyeville-Tipsaw complex, 18 to 30 percent slopes
HafD3	Haggatt silty clay loam, 12 to 18 percent slopes, severely eroded
HarE2	Haggatt silt loam, 18 to 25 percent slopes, eroded
TblG	Tipsaw-Adyeville complex, 25 to 75 percent slopes
Ubx	Udorthents, gullied
WhfD2	Wellston silt loam, 12 to 18 percent slopes, eroded
WhfD3	Wellston silt loam, 12 to 18 percent slopes, severely eroded

Publication	
Symbol	Approved map unit name

Dubois County:

AbqD2	Adyeville silt loam, 12 to 18 percent slopes, eroded
AciG	Adyeville-Tipsaw complex, 20 to 60 percent slopes
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
CwaAH	Cuba silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
JoaA	Johnsburg silt loam, 0 to 2 percent slopes
StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration

Lawrence County:

WozD5	Wellston silt loam, 10 to 18 percent slopes, gullied
WpoD2	Wellston-Adyeville silt loams, 12 to 18 percent slopes, eroded

Martin County:

HsaB2	Hosmer silt loam, 2 to 6 percent slopes, eroded
WpfG	Wellston-Tipsaw-Adyeville complex, 18 to 70 percent slopes

Washington County:

AcgF	Adyeville-Tipsaw-Ebal complex, 18 to 50 percent slopes
WymC2	Wrays silt loam, 6 to 12 percent slopes, eroded
WymD	Wrays silt loam, 12 to 18 percent slopes

The following map unit was added to the Orange County Soil Survey Legend for dams that were large enough to delineate as polygons:

Publication	
Symbol	Approved map unit name
Omz	Orthents, earthen dam

Page 12-- Replace the Classification of the Soils table with the following, amended per Soil Taxonomy 9th edition:

Orange County, Indiana

Taxonomic Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series.)

Soil name	Family or higher taxonomic class
Adyeville-----	Coarse-loamy, mixed, semiactive, mesic Typic Hapludults
Apalona-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
*Bartle-----	Coarse-silty, mixed, active, mesic Aeris Fragiudalfs
Beanblossom-----	Loamy-skeletal, mixed, active, mesic Fluventic Dystrudepts
Bedford-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Bromer-----	Fine-silty, mixed, active, mesic Aeris Fragic Epiaqualfs
Caneyville-----	Fine, mixed, active, mesic Typic Hapludalfs
Crider-----	Fine-silty, mixed, active, mesic Typic Paleudalfs
Cuba-----	Fine-silty, mixed, active, mesic Fluventic Dystrudepts
Ebal-----	Fine, mixed, active, mesic Oxyaquic Hapludalfs
Elkinsville-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs

Soil name	Family or higher taxonomic class
Frederick-----	Fine, mixed, semiactive, mesic Typic Paleudults
Gatchel-----	Loamy-skeletal, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Haggatt-----	Fine, mixed, active, mesic Typic Hapludalfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Hosmer-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Johnsburg-----	Fine-silty, mixed, active, mesic Aquic Fragiudults
*Montgomery-----	Fine, mixed, active, mesic Typic Endoaquolls
Orthents, earthen dam	Orthents
*Pekin-----	Coarse-silty, mixed, active, mesic Aquic Fragiudults
*Peoga-----	Fine-silty, mixed, active, mesic Typic Endoaqualfs
Stendal-----	Fine-silty, mixed, active, acid, mesic Fluventic Endoaquepts
Tipsaw-----	Coarse-loamy, mixed, semiactive, mesic Typic Dystrudepts
Udorthents, gullied---	Udorthents
Udorthents, rubbish---	Udorthents
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeris Fluvaquents
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
Wrays-----	Fine-silty, mixed, active, mesic Typic Hapludults

Approval Signatures

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